

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-226549

(43)Date of publication of application : 11.08.1989

(51)Int.Cl.

B65D 3/06
B31B 45/00
B31B 49/02

(21)Application number : 63-049413

(71)Applicant : ITO SADAMI

(22)Date of filing : 02.03.1988

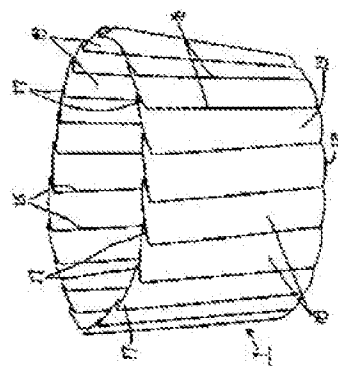
(72)Inventor : ITO SADAMI

(54) PAPER CUP AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To obtain an integrally-molded rigid paper cup by a method wherein a disc form paper piece is cut out from a sheet of thin paper, inward-folds and outward-folds are shaped between a circular-fold and the circumference of the disc, and the inner face of the folded part is adhered to the inner face of a side wall component.

CONSTITUTION: A disc shape paper piece 11 is folded in folding devices 31, 32 made of hardened rubber with numerous molds which become gradually deeper so that a side wall component 18 and a folded part 17 are approximately perpendicular to an inward-fold 15, outward-fold 16 and a circular-fold 12, and the folds are shaped with a fold making device 3. Then the paper cup is held between the inner face of a female former and the outer face of a male former so that the folded portion 17 is attached to the inside of the side wall component 18 to be made into a cup shape. By applying adhesive agent to the inner face of a paper cup material 10 with a pasting device 5 in advance, the inner face of the folded portion 17 is adhered to the inner face of the side wall component 18 when the formers make folds and shape the cup. This prevents the cup from deforming even if a cake dough or liquid is poured into it.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]